

## PR-31

## ULTRASOUND-ASSISTED PSA CATALYZED ONE-POT GREEN SYNTHESIS OF PYRAZOLYL PYRROLE DERIVATIVES

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**Abstract.** A fast, efficient and environmentally benign synthesis of pyrazolyl pyrrole derivatives has been developed by the one-pot multicomponent reaction of an aldehyde, nitroalkane, amine and enolizable reactant with active C-H group, using Phosphosulfonic acid (PSA) as reusable solid acid catalyst under mild, solvent free, ultra-sonication conditions. In comparison to the existing conventional methods, this green and efficient protocol provides remarkable advantages such as good to excellent yields, lower reaction time, less cost, easy work-up and solvent free.

